

**Institute for Triple Helix Innovation  
MegaTrend Analysis Database  
General Data Dictionary**

**Technological Component**

No.	Series Titles	Basic Codes*	General Definitions and Units	Availability <sup>*,#</sup>					
				CA	HI	WA	CH	JP	SE
1	Total R&D spending	CCTORDST	Total research and development (R&D) spending in monetary units in the locales.						
2	Public R&D spending	CCPURDST	Public (preferably all levels of government) R&D spending in monetary units in the locales.						
3	Private R&D spending	CCPRRDST	Private (firms') R&D spending in monetary units in the locales.						
4	Public funding of private firms' R&D expenditures	CCPPRDET	Public spending on private firms' R&D activities in monetary units in the locales.						
5	Private funding of colleges and universities' R&D expenditures	CCPCURDET	Private (firms') spending on R&D at research colleges and universities in monetary units in the locals.						
6	Federal funding of college and universities' R&D expenditures	CCFCURDET	National (Federal) government spending on R&D at research colleges and universities in monetary units in the locales.						
7	Research colleges and universities	CCNRDCUT	The number of research colleges and universities in the locales.						
8	Private R&D firms	CCNRDFT	The number of private R&D firms in the locales.						
9	Trademarks	CCNTMT	The number of trademarks registered during the period in the locales.						
10	Trademarks per million population	CCTMPMPT	Derived: Registered trademarks (item 9) divided by the population (in millions) in the locales.						
11	Patents	CCNPTT	The number of patents authorized during the period in the locales.						

No.	Series Titles	Basic Codes*	General Definitions and Units	Availability <sup>+,#</sup>					
				CA	HI	WA	CH	JP	SE
12	Patents per million population	CCNPTMPT	Derived: Authorized patents (item 11) divided by the population (in millions) in the locales.						
13	Science and engineering graduates	CCNSEGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in all science and engineering fields during the period in the locales.						
14	Engineering graduates	CCNENGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in the engineering field during the period in the locales.						
15	Physical sciences graduates	CCNPSGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in the physical science field during the period in the locales.						
16	Computer sciences graduates	CCNCSGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in the computer science field during the period in the locales.						
17	Medical sciences graduates	CCNMSGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in the medical science field during the period in the locales.						
18	Life sciences graduates	CCNLSGT	The number of Bachelors, Masters, Doctoral, and Professional Degree graduates in the life science field during the period in the locales.						

\* -- The leading "CC" Basic Code characters are placeholders for the two-digit state or country codes; see "+" below.

+ -- CA=California; HI=Hawaii; WA=Washington; CH=China; JP=Japan; and SG=Singapore

# -- Gray shading indicates that data are not available.